IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Park et al.

Attorney Docket No.: BIZBP004X1

Application No.: Not Assigned

Examiner: Not Assigned

Filed: Herewith

Group: Not Assigned

Title: METHOD FOR INHIBITING TUMOR ANGIOGENESIS AND TUMOR GROWTH

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on August 14, 2003 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV332825033US, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Ryan Eachus

INFORMATION DISCLOSURE STATEMENT 37 CFR §§1.56 AND 1.97(b)

Commissioner for Patents Mail Stop New Application P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, the required copies of which are attached, may be material to examination of the above-identified patent application.

Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

Yoshina et al., 1977 and 1978 are forthcoming. The versions in Japanese are enclosed.

Application No.: 10/407,136

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This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. BIZBP004X1).

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

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Form 1449 (Modified)	Atty Docket No. BIZBP004X1	Application No.: Unknown
Information Disclosure Statement By Applicant	Applicant: Park et al.	
	Filing Date	Group
(Use Several Sheets if Necessary)	Herewith	Not Assigned

U.S. Patent Documents

Examiner						Sub-	Filing
Initial	No.	Patent No.	Date	Patentee	Class	class	Date
	1A	6,518,294	02/11/03	Teng et al.			01/24/02
	1B	5,574,168	11/12/96	Kuo et al.			05/03/94
	1C	6,162,819	12/19/00	Schindler et al.		1	10/05/98

Foreign Patent or Published Foreign Patent Application

Examiner		Document	Publication	Country or		Sub-	Trans	lation
Initial	No.	No.	Date	Patent Office	Class	class	Yes	No
	1D	10-2001-0060054	09/27/01	Republic of Korea			X	
	1E	0254241	07/18/87	EPO			X	
	1F	EP0667345	02/13/95	EPO			X	
	1G	EP1166785	06/19/01	EPO			X	

Other Documents

Examiner				
Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication		
	1H	Ko et al., "YC-1 a Novel Activator of Platelet Guanylate Cyclase", Blood,		
		Vol. 84, No. 12, December 15, 1994, pp. 4226-4233		
	1I	Yeo et al., "YC-1: A Potential Anticancer Drug Targeting Hypoxia-Inducible		
		Factor 1", Journal of the National Cancer Institute", Vol. 95, No. 7, April 2,		
		2003, pp. 516-525		
	1J	Höckel and Vaupel, "Tumor Hypoxia: Definitions and Current Clinical,		
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		Metastasis, and Therapeutic Exploitation", European Journal of Cancer, 36,		
		May 2000, pp. 1649-1660		
Examiner		Date Considered		
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Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	2A			
		Eighteenth Bruce F. Cain Memorial Award Lecture, Cancer Research, 59,		
		December 1, 1999, pp. 5863-5870		
	2B	Forsythe et al., "Activation of Vascular Endothelial Growth Factor Gene		
	1	Transcription by Hypoxia-Inducible Factor 1", Molecular and Cellular		
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	2C	Wang and Semenza, "Purification and Characterization of Hypoxia-Inducible		
		Factor 1", The Journal of Biological Chemistry," Vol. 270, No. 3, January 20,		
=		1995, pp. 1230-1237		
	2D	Maxwell et al., "The Tumour Suppressor Protein VHL Targets Hypoxia-		
		Inducible Factors for Oxygen-Dependent Proteolysis," Nature, Vol. 399, May		
		20, 1999, pp. 2710-275		
	2E	Ivan et al., "HIFα Targeted for VHL-Mediated Destruction by Proline		
		Hydroxylation: Implications for O ₂ Sensing", <i>Science</i> , Vol. 292, April 20, 2001, pp. 464-451		
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	2F	Masson et al., "Independent Function of Two Destruction Domains In Hypoxia-Inducible Factor-α Chains Activated by Polyl Hydroxylation," European Molecular Biology Organization, The EMBO Journal, Vol. 20, No. 18, (2001) pp. 5197-5206		
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	2G	Huang et al., "Regulation of Hypoxia-Inducible Factor 1α is Mediated by an		
		O2-Dependent Degradation Domain Via the Ubiquitin-Proteasome Pathway,"		
	OIT	Proc. Natl. Acad. Sci USA, Vol. 95, pp. 7987-7992, July 1998		
	2H	Gregg L. Semenza, "HIF-1 and Tumor Progression: Pathophysiology and		
		Therapeutics," Trends in Molecular Medicine, Vol. 8, No. 4, Suppl. (2002),		
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	2J	Birner et al., "Overexpression of Hypoxia-Inducible Factor 1α Is a Marker For		
		an Unfavorable Prognosis in Early-Stage Invasive Cervical Cancer", Cancer		
Examiner		Research, Vol. 60, pp. 4693-4696, September 1, 2000		
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Other Documents

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Examiner		•			
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	3A	Maxwell et al., "Hypoxia-In	Maxwell et al., "Hypoxia-Inducible Factor-1 Modulates Gene Expression in		
		Solid Tumors and Influence	s Both Angiogenesis and Tumor Growth", Proc.		
		Natl. Acad. Sci. USA, Vol 94, pp. 8104-8109, July 1997 Medical Sciences			
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		Journal of Pharmacology", Vol. 127, pp. 195-203 (1999)			
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		Erythropoietin and Vascular Endothelial Growth Factor in Hep3B Cells",			
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	5F	Yoshina <i>et al.</i> , Yakugaku Zasshi, Vol. 97(9), pp. 955-961, (1977) Jaakkola <i>et al.</i> , "Targeting of HIF-α to the von Hippel –Lindau Ubiquitylation Complex by O ₂ -Regulated Prolyl Hydroxylation", Science, Vol. 292, pp. 468-			
	5G				
		472, April 20, 2001	711		
Examiner			Date Considered		

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